**开源软件/组件声明**

**open source software/components NOTICE**

*请列出使用的全部开源软件/组件*

*Please list all open source software/components used*

# Software/components 软件/组件名称及版本

***填写说明：****软件/组件名称+版本号 Software Name+Version*

***样例：****iptables 1.4.12*

|  |  |  |  |
| --- | --- | --- | --- |
| **开源软件/组件名称****open source software/components NAME** | **开源软件/组件版本****open source software/components****VERSION** | **许可证名称****LICENCE NAME** | **开源软件/组件的官网地址****open source software/components WEBSITE** |
| Spring Boot | 3.0.0 | Apache 2.0 | https://github.com/spring-projects/spring-boot |
| Mybatis-Plus | 3.5.5 | Apache 2.0 | https://github.com/baomidou/mybatis-plus |
| Mybatis | 3.0.3 | Apache 2.0 | <https://github.com/mybatis/mybatis-3> |
| Sa-Token | 1.37.0 | Apache 2.0 | <https://github.com/dromara/Sa-Token> |
| Apache Tika | 3.0.0 | Apache 2.0 | <https://github.com/apache/tika> |
| PDFBOX | 3.0.0 | Apache 2.0 | <https://github.com/apache/pdfbox> |
| Hanlp | 1.8.4 | Apache 2.0 | <https://github.com/hankcs/HanLP> |
| PageHelper | 1.4.7 | MIT | <https://github.com/pagehelper/Mybatis-PageHelper> |
| Elasticsearch  | 8.11.0 | Elastic License 2.0 | <https://github.com/elastic/elasticsearch> |
| RabbitMQ | 3.9.0 | Apache 2.0 | https://github.com/rabbitmq/rabbitmq-server |
| Redis | 5.0 | RSALv2 | https://github.com/redis/redis?tab=readme-ov-file |

# Copyright notice 版权声明

***填写说明：****形式可能是copyright ©XXXXX ,也可能是©名字+<邮箱>等等，必须与原文保持一致 Can be ‘copyright ©XXXXX，or ©name+<email>, etc. The notice text should be the same as the original text*

***样例：***

*Harald Welte <laforge@gnumonks.org>*

*Copyright (c) 2011 Patrick McHardy <kaber@trash.net>*

*Copyright © 2004 Scott James Remnant <scott@netsplit.com>*

 *(C) 2000 Jozsef Kadlecsik <kadlec@blackhole.kfki.hu>*

*(C) 2003 by Harald Welte <laforge@gnumonks.org>*

*(C) 2002 by Harald Welte <laforge@gnumonks.org>*

*(C) 2000 by Harald Welte laforge@gnumonks.org>*

*(C) 2008 Adam Nielsen a.nielsen@shikadi.net*

*(C) 2005 by Harald Welte <laforge@netfilter.org>*

*(C) 2000-2002 Joakim Axelsson <gozem@linux.nu>*

*(C) 2009 by Pablo Neira Ayuso <pablo@netfilter.org>*

*(C) 2002 by Don Cohen <don-netf@isis.cs3-inc.com>*

*GPL (C) 2001 Marc Boucher (marc@mbsi.ca)*

*Copyright (C) 2000-2002 Joakim Axelsson <gozem@linux.nu>*

*Patrick Schaaf <bof@bof.de>*

*Martin Josefsson <gandalf@wlug.westbo.se>*

*Copyright (C) 2003-2010 Jozsef Kadlecsik <kadlec@blackhole.kfki.hu>*

*Copyright (C) 2000 Emmanuel Roger <winfield@freegates.be>*

*Copyright (C)2006 USAGI/WIDE Project*

*Copyright (C) 2006 Red Hat, Inc.*

*Copyright (c) 2003+ Evgeniy Polyakov <zbr@ioremap.net>*

*Copyright © CC Computer Consultants GmbH, 2007 - 2008*

*Masahide NAKAMURA @USAGI masahide.nakamura.cz@hitachi.com*

*Copyright (C) 2007 BalaBit IT Ltd.*

*Copyright (c) 2000-2001 Netfilter Core Team*

*Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2003, 2004, 2005,2006, 2007, 2008 Free Software Foundation, Inc.Written by Gordon Matzigkeit, 1996*

*Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2003, 2004, 2005,2006, 2007, 2008 Free Software Foundation, Inc.Written by Gordon Matzigkeit, 1996*

*Copyright (C) 2004, 2005, 2007, 2008 Free Software Foundation, Inc. # Written by Gary V. Vaughan,*

*Copyright (C) 2004 Free Software Foundation, Inc. # Written by Scott James Remnant*

*Copyright (C) 2004, 2005, 2007 Free Software Foundation, Inc. # Written by Scott James Remnant*

*Copyright (c) 2005 Evgeniy Polyakov <johnpol@2ka.mxt.ru>*

# License 许可证

##  Elastic Licence 2.0

Source code in this repository is covered by (i) a dual license under the Server

Side Public License, v 1 and the Elastic License 2.0 or (ii) an Apache License

2.0 compatible license or (iii) solely under the Elastic License 2.0, in each

case, as noted in the applicable header. The default throughout the repository

is a dual license under the Server Side Public License, v 1 and the Elastic

License 2.0, unless the header specifies another license. Code that is licensed

solely under the Elastic License 2.0 is found only in the x-pack folder.

##  RSALv2

Starting on March 20th, 2024, Redis follows a dual-licensing model with all Redis project code

contributions under version 7.4 and subsequent releases governed by the Redis Software Grant and

Contributor License Agreement. After this date, contributions are subject to the user's choice of

the Redis Source Available License v2 (RSALv2) or the Server Side Public License v1 (SSPLv1), as

follows:

1. Redis Source Available License 2.0 (RSALv2) Agreement

========================================================

Last Update: December 30, 2023

Acceptance

----------

This Agreement sets forth the terms and conditions on which the Licensor

makes available the Software. By installing, downloading, accessing,

Using, or distributing any of the Software, You agree to all of the

terms and conditions of this Agreement.

If You are receiving the Software on behalf of Your Company, You

represent and warrant that You have the authority to agree to this

Agreement on behalf of such entity.

The Licensor reserves the right to update this Agreement from time to

time.

The terms below have the meanings set forth below for purposes of this

Agreement:

Definitions

-----------

Agreement: this Redis Source Available License 2.0 Agreement.

Control: ownership, directly or indirectly, of substantially all the

assets of an entity, or the power to direct its management and policies

by vote, contract, or otherwise.

License: the License as described in the License paragraph below.

Licensor: the entity offering these terms, which includes Redis Ltd. on

behalf of itself and its subsidiaries and affiliates worldwide.

Modify, Modified, or Modification: copy from or adapt all or part of the

work in a fashion requiring copyright permission other than making an

exact copy. The resulting work is called a Modified version of the

earlier work.

Redis: the Redis software as described in redis.com redis.io.

Software: certain Software components designed to work with Redis and

provided to You under this Agreement.

Trademark: the trademarks, service marks, and any other similar rights.

Use: anything You do with the Software requiring one of Your Licenses.

You: the recipient of the Software, the individual or entity on whose

behalf You are agreeing to this Agreement.

Your Company: any legal entity, sole proprietorship, or other kind of

organization that You work for, plus all organizations that have control

over, are under the control of, or are under common control with that

organization.

Your Licenses: means all the Licenses granted to You for the Software

under this Agreement.

License

-------

The Licensor grants You a non-exclusive, royalty-free, worldwide,

non-sublicensable, non-transferable license to use, copy, distribute,

make available, and prepare derivative works of the Software, in each

case subject to the limitations and conditions below.

Limitations

-----------

You may not make the functionality of the Software or a Modified version

available to third parties as a service or distribute the Software or a

Modified version in a manner that makes the functionality of the

Software available to third parties.

Making the functionality of the Software or Modified version available

to third parties includes, without limitation, enabling third parties to

interact with the functionality of the Software or Modified version in

distributed form or remotely through a computer network, offering a

product or service, the value of which entirely or primarily derives

from the value of the Software or Modified version, or offering a

product or service that accomplishes for users the primary purpose of

the Software or Modified version.

You may not alter, remove, or obscure any licensing, copyright, or other

notices of the Licensor in the Software. Any use of the Licensor's

Trademarks is subject to applicable law.

Patents

-------

The Licensor grants You a License, under any patent claims the Licensor

can License, or becomes able to License, to make, have made, use, sell,

offer for sale, import and have imported the Software, in each case

subject to the limitations and conditions in this License. This License

does not cover any patent claims that You cause to be infringed by

Modifications or additions to the Software. If You or Your Company make

any written claim that the Software infringes or contributes to

infringement of any patent, your patent License for the Software granted

under this Agreement ends immediately. If Your Company makes such a

claim, your patent License ends immediately for work on behalf of Your

Company.

Notices

-------

You must ensure that anyone who gets a copy of any part of the Software

from You also gets a copy of the terms and conditions in this Agreement.

If You modify the Software, You must include in any Modified copies of

the Software prominent notices stating that You have Modified the

Software.

No Other Rights

---------------

The terms and conditions of this Agreement do not imply any Licenses

other than those expressly granted in this Agreement.

Termination

-----------

If You Use the Software in violation of this Agreement, such Use is not

Licensed, and Your Licenses will automatically terminate. If the

Licensor provides You with a notice of your violation, and You cease all

violations of this License no later than 30 days after You receive that

notice, Your Licenses will be reinstated retroactively. However, if You

violate this Agreement after such reinstatement, any additional

violation of this Agreement will cause your Licenses to terminate

automatically and permanently.

No Liability

------------

As far as the law allows, the Software comes as is, without any

warranty or condition, and the Licensor will not be liable to You for

any damages arising out of this Agreement or the Use or nature of the

Software, under any kind of legal claim.

Governing Law and Jurisdiction

------------------------------

If You are located in Asia, Pacific, Americas, or other jurisdictions

not listed below, the Agreement will be construed and enforced in all

respects in accordance with the laws of the State of California, U.S.A.,

without reference to its choice of law rules. The courts located in the

County of Santa Clara, California, have exclusive jurisdiction for all

purposes relating to this Agreement.

If You are located in Israel, the Agreement will be construed and

enforced in all respects in accordance with the laws of the State of

Israel without reference to its choice of law rules. The courts located

in the Central District of the State of Israel have exclusive

jurisdiction for all purposes relating to this Agreement.

If You are located in Europe, United Kingdom, Middle East or Africa, the

Agreement will be construed and enforced in all respects in accordance

with the laws of England and Wales without reference to its choice of

law rules. The competent courts located in London, England, have

exclusive jurisdiction for all purposes relating to this Agreement.

2. Server Side Public License (SSPL)

====================================

 Server Side Public License

 VERSION 1, OCTOBER 16, 2018

 Copyright (c) 2018 MongoDB, Inc.

 Everyone is permitted to copy and distribute verbatim copies of this

 license document, but changing it is not allowed.

 TERMS AND CONDITIONS

 0. Definitions.

 "This License" refers to Server Side Public License.

 "Copyright" also means copyright-like laws that apply to other kinds of

 works, such as semiconductor masks.

 "The Program" refers to any copyrightable work licensed under this

 License. Each licensee is addressed as "you". "Licensees" and

 "recipients" may be individuals or organizations.

 To "modify" a work means to copy from or adapt all or part of the work in

 a fashion requiring copyright permission, other than the making of an

 exact copy. The resulting work is called a "modified version" of the

 earlier work or a work "based on" the earlier work.

 A "covered work" means either the unmodified Program or a work based on

 the Program.

 To "propagate" a work means to do anything with it that, without

 permission, would make you directly or secondarily liable for

 infringement under applicable copyright law, except executing it on a

 computer or modifying a private copy. Propagation includes copying,

 distribution (with or without modification), making available to the

 public, and in some countries other activities as well.

 To "convey" a work means any kind of propagation that enables other

 parties to make or receive copies. Mere interaction with a user through a

 computer network, with no transfer of a copy, is not conveying.

 An interactive user interface displays "Appropriate Legal Notices" to the

 extent that it includes a convenient and prominently visible feature that

 (1) displays an appropriate copyright notice, and (2) tells the user that

 there is no warranty for the work (except to the extent that warranties

 are provided), that licensees may convey the work under this License, and

 how to view a copy of this License. If the interface presents a list of

 user commands or options, such as a menu, a prominent item in the list

 meets this criterion.

 1. Source Code.

 The "source code" for a work means the preferred form of the work for

 making modifications to it. "Object code" means any non-source form of a

 work.

 A "Standard Interface" means an interface that either is an official

 standard defined by a recognized standards body, or, in the case of

 interfaces specified for a particular programming language, one that is

 widely used among developers working in that language. The "System

 Libraries" of an executable work include anything, other than the work as

 a whole, that (a) is included in the normal form of packaging a Major

 Component, but which is not part of that Major Component, and (b) serves

 only to enable use of the work with that Major Component, or to implement

 a Standard Interface for which an implementation is available to the

 public in source code form. A "Major Component", in this context, means a

 major essential component (kernel, window system, and so on) of the

 specific operating system (if any) on which the executable work runs, or

 a compiler used to produce the work, or an object code interpreter used

 to run it.

 The "Corresponding Source" for a work in object code form means all the

 source code needed to generate, install, and (for an executable work) run

 the object code and to modify the work, including scripts to control

 those activities. However, it does not include the work's System

 Libraries, or general-purpose tools or generally available free programs

 which are used unmodified in performing those activities but which are

 not part of the work. For example, Corresponding Source includes

 interface definition files associated with source files for the work, and

 the source code for shared libraries and dynamically linked subprograms

 that the work is specifically designed to require, such as by intimate

 data communication or control flow between those subprograms and other

 parts of the work.

 The Corresponding Source need not include anything that users can

 regenerate automatically from other parts of the Corresponding Source.

 The Corresponding Source for a work in source code form is that same work.

 2. Basic Permissions.

 All rights granted under this License are granted for the term of

 copyright on the Program, and are irrevocable provided the stated

 conditions are met. This License explicitly affirms your unlimited

 permission to run the unmodified Program, subject to section 13. The

 output from running a covered work is covered by this License only if the

 output, given its content, constitutes a covered work. This License

 acknowledges your rights of fair use or other equivalent, as provided by

 copyright law. Subject to section 13, you may make, run and propagate

 covered works that you do not convey, without conditions so long as your

 license otherwise remains in force. You may convey covered works to

 others for the sole purpose of having them make modifications exclusively

 for you, or provide you with facilities for running those works, provided

 that you comply with the terms of this License in conveying all

 material for which you do not control copyright. Those thus making or

 running the covered works for you must do so exclusively on your

 behalf, under your direction and control, on terms that prohibit them

 from making any copies of your copyrighted material outside their

 relationship with you.

 Conveying under any other circumstances is permitted solely under the

 conditions stated below. Sublicensing is not allowed; section 10 makes it

 unnecessary.

 3. Protecting Users' Legal Rights From Anti-Circumvention Law.

 No covered work shall be deemed part of an effective technological

 measure under any applicable law fulfilling obligations under article 11

 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws

 prohibiting or restricting circumvention of such measures.

 When you convey a covered work, you waive any legal power to forbid

 circumvention of technological measures to the extent such circumvention is

 effected by exercising rights under this License with respect to the

 covered work, and you disclaim any intention to limit operation or

 modification of the work as a means of enforcing, against the work's users,

 your or third parties' legal rights to forbid circumvention of

 technological measures.

 4. Conveying Verbatim Copies.

 You may convey verbatim copies of the Program's source code as you

 receive it, in any medium, provided that you conspicuously and

 appropriately publish on each copy an appropriate copyright notice; keep

 intact all notices stating that this License and any non-permissive terms

 added in accord with section 7 apply to the code; keep intact all notices

 of the absence of any warranty; and give all recipients a copy of this

 License along with the Program. You may charge any price or no price for

 each copy that you convey, and you may offer support or warranty

 protection for a fee.

 5. Conveying Modified Source Versions.

 You may convey a work based on the Program, or the modifications to

 produce it from the Program, in the form of source code under the terms

 of section 4, provided that you also meet all of these conditions:

 a) The work must carry prominent notices stating that you modified it,

 and giving a relevant date.

 b) The work must carry prominent notices stating that it is released

 under this License and any conditions added under section 7. This

 requirement modifies the requirement in section 4 to "keep intact all

 notices".

 c) You must license the entire work, as a whole, under this License to

 anyone who comes into possession of a copy. This License will therefore

 apply, along with any applicable section 7 additional terms, to the

 whole of the work, and all its parts, regardless of how they are

 packaged. This License gives no permission to license the work in any

 other way, but it does not invalidate such permission if you have

 separately received it.

 d) If the work has interactive user interfaces, each must display

 Appropriate Legal Notices; however, if the Program has interactive

 interfaces that do not display Appropriate Legal Notices, your work

 need not make them do so.

 A compilation of a covered work with other separate and independent

 works, which are not by their nature extensions of the covered work, and

 which are not combined with it such as to form a larger program, in or on

 a volume of a storage or distribution medium, is called an "aggregate" if

 the compilation and its resulting copyright are not used to limit the

 access or legal rights of the compilation's users beyond what the

 individual works permit. Inclusion of a covered work in an aggregate does

 not cause this License to apply to the other parts of the aggregate.

 6. Conveying Non-Source Forms.

 You may convey a covered work in object code form under the terms of

 sections 4 and 5, provided that you also convey the machine-readable

 Corresponding Source under the terms of this License, in one of these

 ways:

 a) Convey the object code in, or embodied in, a physical product

 (including a physical distribution medium), accompanied by the

 Corresponding Source fixed on a durable physical medium customarily

 used for software interchange.

 b) Convey the object code in, or embodied in, a physical product

 (including a physical distribution medium), accompanied by a written

 offer, valid for at least three years and valid for as long as you

 offer spare parts or customer support for that product model, to give

 anyone who possesses the object code either (1) a copy of the

 Corresponding Source for all the software in the product that is

 covered by this License, on a durable physical medium customarily used

 for software interchange, for a price no more than your reasonable cost

 of physically performing this conveying of source, or (2) access to

 copy the Corresponding Source from a network server at no charge.

 c) Convey individual copies of the object code with a copy of the

 written offer to provide the Corresponding Source. This alternative is

 allowed only occasionally and noncommercially, and only if you received

 the object code with such an offer, in accord with subsection 6b.

 d) Convey the object code by offering access from a designated place

 (gratis or for a charge), and offer equivalent access to the

 Corresponding Source in the same way through the same place at no

 further charge. You need not require recipients to copy the

 Corresponding Source along with the object code. If the place to copy

 the object code is a network server, the Corresponding Source may be on

 a different server (operated by you or a third party) that supports

 equivalent copying facilities, provided you maintain clear directions

 next to the object code saying where to find the Corresponding Source.

 Regardless of what server hosts the Corresponding Source, you remain

 obligated to ensure that it is available for as long as needed to

 satisfy these requirements.

 e) Convey the object code using peer-to-peer transmission, provided you

 inform other peers where the object code and Corresponding Source of

 the work are being offered to the general public at no charge under

 subsection 6d.

 A separable portion of the object code, whose source code is excluded

 from the Corresponding Source as a System Library, need not be included

 in conveying the object code work.

 A "User Product" is either (1) a "consumer product", which means any

 tangible personal property which is normally used for personal, family,

 or household purposes, or (2) anything designed or sold for incorporation

 into a dwelling. In determining whether a product is a consumer product,

 doubtful cases shall be resolved in favor of coverage. For a particular

 product received by a particular user, "normally used" refers to a

 typical or common use of that class of product, regardless of the status

 of the particular user or of the way in which the particular user

 actually uses, or expects or is expected to use, the product. A product

 is a consumer product regardless of whether the product has substantial

 commercial, industrial or non-consumer uses, unless such uses represent

 the only significant mode of use of the product.

 "Installation Information" for a User Product means any methods,

 procedures, authorization keys, or other information required to install

 and execute modified versions of a covered work in that User Product from

 a modified version of its Corresponding Source. The information must

 suffice to ensure that the continued functioning of the modified object

 code is in no case prevented or interfered with solely because

 modification has been made.

 If you convey an object code work under this section in, or with, or

 specifically for use in, a User Product, and the conveying occurs as part

 of a transaction in which the right of possession and use of the User

 Product is transferred to the recipient in perpetuity or for a fixed term

 (regardless of how the transaction is characterized), the Corresponding

 Source conveyed under this section must be accompanied by the

 Installation Information. But this requirement does not apply if neither

 you nor any third party retains the ability to install modified object

 code on the User Product (for example, the work has been installed in

 ROM).

 The requirement to provide Installation Information does not include a

 requirement to continue to provide support service, warranty, or updates

 for a work that has been modified or installed by the recipient, or for

 the User Product in which it has been modified or installed. Access

 to a network may be denied when the modification itself materially

 and adversely affects the operation of the network or violates the

 rules and protocols for communication across the network.

 Corresponding Source conveyed, and Installation Information provided, in

 accord with this section must be in a format that is publicly documented

 (and with an implementation available to the public in source code form),

 and must require no special password or key for unpacking, reading or

 copying.

 7. Additional Terms.

 "Additional permissions" are terms that supplement the terms of this

 License by making exceptions from one or more of its conditions.

 Additional permissions that are applicable to the entire Program shall be

 treated as though they were included in this License, to the extent that

 they are valid under applicable law. If additional permissions apply only

 to part of the Program, that part may be used separately under those

 permissions, but the entire Program remains governed by this License

 without regard to the additional permissions. When you convey a copy of

 a covered work, you may at your option remove any additional permissions

 from that copy, or from any part of it. (Additional permissions may be

 written to require their own removal in certain cases when you modify the

 work.) You may place additional permissions on material, added by you to

 a covered work, for which you have or can give appropriate copyright

 permission.

 Notwithstanding any other provision of this License, for material you add

 to a covered work, you may (if authorized by the copyright holders of

 that material) supplement the terms of this License with terms:

 a) Disclaiming warranty or limiting liability differently from the

 terms of sections 15 and 16 of this License; or

 b) Requiring preservation of specified reasonable legal notices or

 author attributions in that material or in the Appropriate Legal

 Notices displayed by works containing it; or

 c) Prohibiting misrepresentation of the origin of that material, or

 requiring that modified versions of such material be marked in

 reasonable ways as different from the original version; or

 d) Limiting the use for publicity purposes of names of licensors or

 authors of the material; or

 e) Declining to grant rights under trademark law for use of some trade

 names, trademarks, or service marks; or

 f) Requiring indemnification of licensors and authors of that material

 by anyone who conveys the material (or modified versions of it) with

 contractual assumptions of liability to the recipient, for any

 liability that these contractual assumptions directly impose on those

 licensors and authors.

 All other non-permissive additional terms are considered "further

 restrictions" within the meaning of section 10. If the Program as you

 received it, or any part of it, contains a notice stating that it is

 governed by this License along with a term that is a further restriction,

 you may remove that term. If a license document contains a further

 restriction but permits relicensing or conveying under this License, you

 may add to a covered work material governed by the terms of that license

 document, provided that the further restriction does not survive such

 relicensing or conveying.

 If you add terms to a covered work in accord with this section, you must

 place, in the relevant source files, a statement of the additional terms

 that apply to those files, or a notice indicating where to find the

 applicable terms. Additional terms, permissive or non-permissive, may be

 stated in the form of a separately written license, or stated as

 exceptions; the above requirements apply either way.

 8. Termination.

 You may not propagate or modify a covered work except as expressly

 provided under this License. Any attempt otherwise to propagate or modify

 it is void, and will automatically terminate your rights under this

 License (including any patent licenses granted under the third paragraph

 of section 11).

 However, if you cease all violation of this License, then your license

 from a particular copyright holder is reinstated (a) provisionally,

 unless and until the copyright holder explicitly and finally terminates

 your license, and (b) permanently, if the copyright holder fails to

 notify you of the violation by some reasonable means prior to 60 days

 after the cessation.

 Moreover, your license from a particular copyright holder is reinstated

 permanently if the copyright holder notifies you of the violation by some

 reasonable means, this is the first time you have received notice of

 violation of this License (for any work) from that copyright holder, and

 you cure the violation prior to 30 days after your receipt of the notice.

 Termination of your rights under this section does not terminate the

 licenses of parties who have received copies or rights from you under

 this License. If your rights have been terminated and not permanently

 reinstated, you do not qualify to receive new licenses for the same

 material under section 10.

 9. Acceptance Not Required for Having Copies.

 You are not required to accept this License in order to receive or run a

 copy of the Program. Ancillary propagation of a covered work occurring

 solely as a consequence of using peer-to-peer transmission to receive a

 copy likewise does not require acceptance. However, nothing other than

 this License grants you permission to propagate or modify any covered

 work. These actions infringe copyright if you do not accept this License.

 Therefore, by modifying or propagating a covered work, you indicate your

 acceptance of this License to do so.

 10. Automatic Licensing of Downstream Recipients.

 Each time you convey a covered work, the recipient automatically receives

 a license from the original licensors, to run, modify and propagate that

 work, subject to this License. You are not responsible for enforcing

 compliance by third parties with this License.

 An "entity transaction" is a transaction transferring control of an

 organization, or substantially all assets of one, or subdividing an

 organization, or merging organizations. If propagation of a covered work

 results from an entity transaction, each party to that transaction who

 receives a copy of the work also receives whatever licenses to the work

 the party's predecessor in interest had or could give under the previous

 paragraph, plus a right to possession of the Corresponding Source of the

 work from the predecessor in interest, if the predecessor has it or can

 get it with reasonable efforts.

 You may not impose any further restrictions on the exercise of the rights

 granted or affirmed under this License. For example, you may not impose a

 license fee, royalty, or other charge for exercise of rights granted

 under this License, and you may not initiate litigation (including a

 cross-claim or counterclaim in a lawsuit) alleging that any patent claim

 is infringed by making, using, selling, offering for sale, or importing

 the Program or any portion of it.

 11. Patents.

 A "contributor" is a copyright holder who authorizes use under this

 License of the Program or a work on which the Program is based. The work

 thus licensed is called the contributor's "contributor version".

 A contributor's "essential patent claims" are all patent claims owned or

 controlled by the contributor, whether already acquired or hereafter

 acquired, that would be infringed by some manner, permitted by this

 License, of making, using, or selling its contributor version, but do not

 include claims that would be infringed only as a consequence of further

 modification of the contributor version. For purposes of this definition,

 "control" includes the right to grant patent sublicenses in a manner

 consistent with the requirements of this License.

 Each contributor grants you a non-exclusive, worldwide, royalty-free

 patent license under the contributor's essential patent claims, to make,

 use, sell, offer for sale, import and otherwise run, modify and propagate

 the contents of its contributor version.

 In the following three paragraphs, a "patent license" is any express

 agreement or commitment, however denominated, not to enforce a patent

 (such as an express permission to practice a patent or covenant not to

 sue for patent infringement). To "grant" such a patent license to a party

 means to make such an agreement or commitment not to enforce a patent

 against the party.

 If you convey a covered work, knowingly relying on a patent license, and

 the Corresponding Source of the work is not available for anyone to copy,

 free of charge and under the terms of this License, through a publicly

 available network server or other readily accessible means, then you must

 either (1) cause the Corresponding Source to be so available, or (2)

 arrange to deprive yourself of the benefit of the patent license for this

 particular work, or (3) arrange, in a manner consistent with the

 requirements of this License, to extend the patent license to downstream

 recipients. "Knowingly relying" means you have actual knowledge that, but

 for the patent license, your conveying the covered work in a country, or

 your recipient's use of the covered work in a country, would infringe

 one or more identifiable patents in that country that you have reason

 to believe are valid.

 If, pursuant to or in connection with a single transaction or

 arrangement, you convey, or propagate by procuring conveyance of, a

 covered work, and grant a patent license to some of the parties receiving

 the covered work authorizing them to use, propagate, modify or convey a

 specific copy of the covered work, then the patent license you grant is

 automatically extended to all recipients of the covered work and works

 based on it.

 A patent license is "discriminatory" if it does not include within the

 scope of its coverage, prohibits the exercise of, or is conditioned on

 the non-exercise of one or more of the rights that are specifically

 granted under this License. You may not convey a covered work if you are

 a party to an arrangement with a third party that is in the business of

 distributing software, under which you make payment to the third party

 based on the extent of your activity of conveying the work, and under

 which the third party grants, to any of the parties who would receive the

 covered work from you, a discriminatory patent license (a) in connection

 with copies of the covered work conveyed by you (or copies made from

 those copies), or (b) primarily for and in connection with specific

 products or compilations that contain the covered work, unless you

 entered into that arrangement, or that patent license was granted, prior

 to 28 March 2007.

 Nothing in this License shall be construed as excluding or limiting any

 implied license or other defenses to infringement that may otherwise be

 available to you under applicable patent law.

 12. No Surrender of Others' Freedom.

 If conditions are imposed on you (whether by court order, agreement or

 otherwise) that contradict the conditions of this License, they do not

 excuse you from the conditions of this License. If you cannot use,

 propagate or convey a covered work so as to satisfy simultaneously your

 obligations under this License and any other pertinent obligations, then

 as a consequence you may not use, propagate or convey it at all. For

 example, if you agree to terms that obligate you to collect a royalty for

 further conveying from those to whom you convey the Program, the only way

 you could satisfy both those terms and this License would be to refrain

 entirely from conveying the Program.

 13. Offering the Program as a Service.

 If you make the functionality of the Program or a modified version

 available to third parties as a service, you must make the Service Source

 Code available via network download to everyone at no charge, under the

 terms of this License. Making the functionality of the Program or

 modified version available to third parties as a service includes,

 without limitation, enabling third parties to interact with the

 functionality of the Program or modified version remotely through a

 computer network, offering a service the value of which entirely or

 primarily derives from the value of the Program or modified version, or

 offering a service that accomplishes for users the primary purpose of the

 Program or modified version.

 "Service Source Code" means the Corresponding Source for the Program or

 the modified version, and the Corresponding Source for all programs that

 you use to make the Program or modified version available as a service,

 including, without limitation, management software, user interfaces,

 application program interfaces, automation software, monitoring software,

 backup software, storage software and hosting software, all such that a

 user could run an instance of the service using the Service Source Code

 you make available.

 14. Revised Versions of this License.

 MongoDB, Inc. may publish revised and/or new versions of the Server Side

 Public License from time to time. Such new versions will be similar in

 spirit to the present version, but may differ in detail to address new

 problems or concerns.

 Each version is given a distinguishing version number. If the Program

 specifies that a certain numbered version of the Server Side Public

 License "or any later version" applies to it, you have the option of

 following the terms and conditions either of that numbered version or of

 any later version published by MongoDB, Inc. If the Program does not

 specify a version number of the Server Side Public License, you may

 choose any version ever published by MongoDB, Inc.

 If the Program specifies that a proxy can decide which future versions of

 the Server Side Public License can be used, that proxy's public statement

 of acceptance of a version permanently authorizes you to choose that

 version for the Program.

 Later license versions may give you additional or different permissions.

 However, no additional obligations are imposed on any author or copyright

 holder as a result of your choosing to follow a later version.

 15. Disclaimer of Warranty.

 THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY

 APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT

 HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY

 OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,

 THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR

 PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM

 IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF

 ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

 16. Limitation of Liability.

 IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING

 WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS

 THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING

 ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF

 THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO

 LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU

 OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER

 PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE

 POSSIBILITY OF SUCH DAMAGES.

 17. Interpretation of Sections 15 and 16.

 If the disclaimer of warranty and limitation of liability provided above

 cannot be given local legal effect according to their terms, reviewing

 courts shall apply local law that most closely approximates an absolute

 waiver of all civil liability in connection with the Program, unless a

 warranty or assumption of liability accompanies a copy of the Program in

 return for a fee.

 END OF TERMS AND CONDITIONS

##  MIT

The MIT License (MIT)

Copyright (c) 2014-2022 abel533@gmail.com

Permission is hereby granted, free of charge, to any person obtaining a copy

of this software and associated documentation files (the "Software"), to deal

in the Software without restriction, including without limitation the rights

to use, copy, modify, merge, publish, distribute, sublicense, and/or sell

copies of the Software, and to permit persons to whom the Software is

furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in

all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER

LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,

OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN

THE SOFTWARE.

##  Apache 2.0

 Apache License

 Version 2.0, January 2004

 <https://www.apache.org/licenses/>

 TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

 1. Definitions.

 "License" shall mean the terms and conditions for use, reproduction,

 and distribution as defined by Sections 1 through 9 of this document.

 "Licensor" shall mean the copyright owner or entity authorized by

 the copyright owner that is granting the License.

 "Legal Entity" shall mean the union of the acting entity and all

 other entities that control, are controlled by, or are under common

 control with that entity. For the purposes of this definition,

 "control" means (i) the power, direct or indirect, to cause the

 direction or management of such entity, whether by contract or

 otherwise, or (ii) ownership of fifty percent (50%) or more of the

 outstanding shares, or (iii) beneficial ownership of such entity.

 "You" (or "Your") shall mean an individual or Legal Entity

 exercising permissions granted by this License.

 "Source" form shall mean the preferred form for making modifications,

 including but not limited to software source code, documentation

 source, and configuration files.

 "Object" form shall mean any form resulting from mechanical

 transformation or translation of a Source form, including but

 not limited to compiled object code, generated documentation,

 and conversions to other media types.

 "Work" shall mean the work of authorship, whether in Source or

 Object form, made available under the License, as indicated by a

 copyright notice that is included in or attached to the work

 (an example is provided in the Appendix below).

 "Derivative Works" shall mean any work, whether in Source or Object

 form, that is based on (or derived from) the Work and for which the

 editorial revisions, annotations, elaborations, or other modifications

 represent, as a whole, an original work of authorship. For the purposes

 of this License, Derivative Works shall not include works that remain

 separable from, or merely link (or bind by name) to the interfaces of,

 the Work and Derivative Works thereof.

 "Contribution" shall mean any work of authorship, including

 the original version of the Work and any modifications or additions

 to that Work or Derivative Works thereof, that is intentionally

 submitted to Licensor for inclusion in the Work by the copyright owner

 or by an individual or Legal Entity authorized to submit on behalf of

 the copyright owner. For the purposes of this definition, "submitted"

 means any form of electronic, verbal, or written communication sent

 to the Licensor or its representatives, including but not limited to

 communication on electronic mailing lists, source code control systems,

 and issue tracking systems that are managed by, or on behalf of, the

 Licensor for the purpose of discussing and improving the Work, but

 excluding communication that is conspicuously marked or otherwise

 designated in writing by the copyright owner as "Not a Contribution."

 "Contributor" shall mean Licensor and any individual or Legal Entity

 on behalf of whom a Contribution has been received by Licensor and

 subsequently incorporated within the Work.

 2. Grant of Copyright License. Subject to the terms and conditions of

 this License, each Contributor hereby grants to You a perpetual,

 worldwide, non-exclusive, no-charge, royalty-free, irrevocable

 copyright license to reproduce, prepare Derivative Works of,

 publicly display, publicly perform, sublicense, and distribute the

 Work and such Derivative Works in Source or Object form.

 3. Grant of Patent License. Subject to the terms and conditions of

 this License, each Contributor hereby grants to You a perpetual,

 worldwide, non-exclusive, no-charge, royalty-free, irrevocable

 (except as stated in this section) patent license to make, have made,

 use, offer to sell, sell, import, and otherwise transfer the Work,

 where such license applies only to those patent claims licensable

 by such Contributor that are necessarily infringed by their

 Contribution(s) alone or by combination of their Contribution(s)

 with the Work to which such Contribution(s) was submitted. If You

 institute patent litigation against any entity (including a

 cross-claim or counterclaim in a lawsuit) alleging that the Work

 or a Contribution incorporated within the Work constitutes direct

 or contributory patent infringement, then any patent licenses

 granted to You under this License for that Work shall terminate

 as of the date such litigation is filed.

 4. Redistribution. You may reproduce and distribute copies of the

 Work or Derivative Works thereof in any medium, with or without

 modifications, and in Source or Object form, provided that You

 meet the following conditions:

 (a) You must give any other recipients of the Work or

 Derivative Works a copy of this License; and

 (b) You must cause any modified files to carry prominent notices

 stating that You changed the files; and

 (c) You must retain, in the Source form of any Derivative Works

 that You distribute, all copyright, patent, trademark, and

 attribution notices from the Source form of the Work,

 excluding those notices that do not pertain to any part of

 the Derivative Works; and

 (d) If the Work includes a "NOTICE" text file as part of its

 distribution, then any Derivative Works that You distribute must

 include a readable copy of the attribution notices contained

 within such NOTICE file, excluding those notices that do not

 pertain to any part of the Derivative Works, in at least one

 of the following places: within a NOTICE text file distributed

 as part of the Derivative Works; within the Source form or

 documentation, if provided along with the Derivative Works; or,

 within a display generated by the Derivative Works, if and

 wherever such third-party notices normally appear. The contents

 of the NOTICE file are for informational purposes only and

 do not modify the License. You may add Your own attribution

 notices within Derivative Works that You distribute, alongside

 or as an addendum to the NOTICE text from the Work, provided

 that such additional attribution notices cannot be construed

 as modifying the License.

 You may add Your own copyright statement to Your modifications and

 may provide additional or different license terms and conditions

 for use, reproduction, or distribution of Your modifications, or

 for any such Derivative Works as a whole, provided Your use,

 reproduction, and distribution of the Work otherwise complies with

 the conditions stated in this License.

 5. Submission of Contributions. Unless You explicitly state otherwise,

 any Contribution intentionally submitted for inclusion in the Work

 by You to the Licensor shall be under the terms and conditions of

 this License, without any additional terms or conditions.

 Notwithstanding the above, nothing herein shall supersede or modify

 the terms of any separate license agreement you may have executed

 with Licensor regarding such Contributions.

 6. Trademarks. This License does not grant permission to use the trade

 names, trademarks, service marks, or product names of the Licensor,

 except as required for reasonable and customary use in describing the

 origin of the Work and reproducing the content of the NOTICE file.

 7. Disclaimer of Warranty. Unless required by applicable law or

 agreed to in writing, Licensor provides the Work (and each

 Contributor provides its Contributions) on an "AS IS" BASIS,

 WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or

 implied, including, without limitation, any warranties or conditions

 of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A

 PARTICULAR PURPOSE. You are solely responsible for determining the

 appropriateness of using or redistributing the Work and assume any

 risks associated with Your exercise of permissions under this License.

 8. Limitation of Liability. In no event and under no legal theory,

 whether in tort (including negligence), contract, or otherwise,

 unless required by applicable law (such as deliberate and grossly

 negligent acts) or agreed to in writing, shall any Contributor be

 liable to You for damages, including any direct, indirect, special,

 incidental, or consequential damages of any character arising as a

 result of this License or out of the use or inability to use the

 Work (including but not limited to damages for loss of goodwill,

 work stoppage, computer failure or malfunction, or any and all

 other commercial damages or losses), even if such Contributor

 has been advised of the possibility of such damages.

 9. Accepting Warranty or Additional Liability. While redistributing

 the Work or Derivative Works thereof, You may choose to offer,

 and charge a fee for, acceptance of support, warranty, indemnity,

 or other liability obligations and/or rights consistent with this

 License. However, in accepting such obligations, You may act only

 on Your own behalf and on Your sole responsibility, not on behalf

 of any other Contributor, and only if You agree to indemnify,

 defend, and hold each Contributor harmless for any liability

 incurred by, or claims asserted against, such Contributor by reason

 of your accepting any such warranty or additional liability.

 END OF TERMS AND CONDITIONS

 APPENDIX: How to apply the Apache License to your work.

 To apply the Apache License to your work, attach the following

 boilerplate notice, with the fields enclosed by brackets "[]"

 replaced with your own identifying information. (Don't include

 the brackets!) The text should be enclosed in the appropriate

 comment syntax for the file format. We also recommend that a

 file or class name and description of purpose be included on the

 same "printed page" as the copyright notice for easier

 identification within third-party archives.

 Copyright 2007-2024 Broadcom. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries. All rights reserved.

 Licensed under the Apache License, Version 2.0 (the "License");

 you may not use this file except in compliance with the License.

 You may obtain a copy of the License at

 <https://www.apache.org/licenses/LICENSE-2.0>

 Unless required by applicable law or agreed to in writing, software

 distributed under the License is distributed on an "AS IS" BASIS,

 WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.

 See the License for the specific language governing permissions and

 limitations under the License.

***填写说明：****许可证声明包括许可证名称（版本）、许可证内容文本，License Notice includes License Name(version) and License Text.*

***样例：***

*GNU GENERAL PUBLIC LICENSE*

*Version 2, June 1991*

 *Copyright (C) 1989, 1991 Free Software Foundation, Inc.*

 *51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA*

 *Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.*

 *Preamble*

 *The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.*

 *When we speak of free software, we are referring to freedom, not price. Our General*

*Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.*

 *To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.*

 *For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.*

 *We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.*

 *Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.*

 *Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.*

 *The precise terms and conditions for copying, distribution and modification follow.*

 *GNU GENERAL PUBLIC LICENSE*

 *TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION*

 *0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".*

*Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.*

 *1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.*

*You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.*

 *2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:*

 *a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.*

 *b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.*

 *c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)*

*These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.*

*Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.*

*In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.*

 *3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:*

 *a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,*

 *b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,*

 *c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)*

*The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.*

*If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.*

 *4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.*

 *5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.*

 *6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.*

 *7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.*

*If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.*

*It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.*

*This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.*

 *8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.*

 *9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.*

*Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.*

 *10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.*

 *NO WARRANTY*

 *11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.*

 *12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.*

 *END OF TERMS AND CONDITIONS*

 *How to Apply These Terms to Your New Programs*

 *If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.*

 *To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.*

 *<one line to give the program's name and a brief idea of what it does.>*

 *Copyright (C) <year> <name of author>*

 *This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.*

 *This program is distributed in the hope that it will be useful,but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.*

 *You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA*

*Also add information on how to contact you by electronic and paper mail.*

*If the program is interactive, make it output a short notice like this when it starts in an interactive mode:*

 *Gnomovision version 69, Copyright (C) year name of author*

 *Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.*

 *This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.*

*The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.*

*You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:*

 *Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.*

 *<signature of Ty Coon>, 1 April 1989 Ty Coon, President of Vice*

*This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.*

# Written Offer 书面邀约

*填写说明：若产品使用了GPL、LGPL、MPL等具有对外开源义务的软件，文档必须附上本部分。If product contains software licensed under GPL ，LGPL or MPL, this section is mandatory*

***样例：***

~~该产品无使用GPL、LGPL、MPL协议的开源软件&组件~~